

AN: PAT 1986-274660  
TI: Precision casting prods. mfr. by surface treatment using  
molten alkali and subsequent cleaning using acidic soln.  
PN: **JP61199085-A**  
PD: 03.09.1986  
AB: The cleaning soln. is either aq. soln. contg. fluorine  
based surfactant having perfluoro alkyl group or acid-base soln.  
, such as HCl, etc..; Complicated shapes and castings difficult  
to work, such as parts for gas turbines, automobiles, sewing  
machines, tools, magnetic steels, art crafts, dental uses, etc.,  
are mfd.. In an example, protocol of bracket lug for bicycle  
flames was prepd. with fusible wax and coated with slurry  
silica contg. foundry sand. The mould was hardened and the wax  
was removed. Pts. 100 pieces of casting were prepd. and  
immersed in molten caustic soda at 550 deg.C for 45 min. and  
repeatedly cleaned using 30% conc. HCl soln. contg. 0.1%  
C8C17SO3H. All of the castings had good surface property.  
PA: (MIYA-) MIYATA KOGYO KK;  
FA: **JP61199085-A** 03.09.1986;  
CO: JP;  
IC: B22D-029/00; C23G-001/08;  
MC: M12-A01;  
DC: M14; M22; P53;  
PR: JP0039644 28.02.1985;  
FP: 03.09.1986  
UP: 13.10.1986

---